CONTROL SOLUTIONS

Spring / Summer 2013

THE UK'S LEADING HOME TECHNOLOGY DISTRIBUTOR

TEL: 01359 270280 | WWW.INVISIONUK.COM

invisionuk

Welcome to the Invision UK **Control Solutions Guide**

For more than a decade, Invision UK has been supplying professional installers and specialist AV retailers with market-leading audio, video and control products for residential custom installation. Thanks to our dedicated team of knowledgeable and experienced staff, who work hard to deliver our unrivalled technical and sales support, we're proud to be the UK's fastest growing home technology distributor.

Our goal is simple: to provide you, one of our valued customers, with products and services that enable you to be more successful at managing and growing your business. This year, we have upped the ante yet again to bring you new technologies, new products, new brands and new profit opportunities.

This spring/summer product guide provides you with the very latest information from our portfolio of control solutions, and includes technical specifications, product overviews, model numbers and ordering information.

We believe that service is key to success, and that is why we have five Regional Sales Managers covering the length and breadth of the UK, offering assistance with system design, as well as providing on-site product demonstrations and installation advice.

Our team of sales specialists – dedicated to specific brands to bring you the latest product information, technical support and insider knowledge – supports the field-based, area sales team.

Through our rapidly expanding Training Academy, we offer practitioner-led, theory and practical-based training courses, at locations throughout the UK, educating you to the highest levels. A variety of courses are available to ensure that you are confident in selling and installing our products.

Remember to follow us on **Twitter**, **Facebook** and **LinkedIn** for the inside scoop on new products, training, events, tips and tricks and what the Invision UK team are up to.

I would welcome your feedback on our products, people and service, so please do not hesitate to contact me at **mark.taylor@invisionuk.com.**

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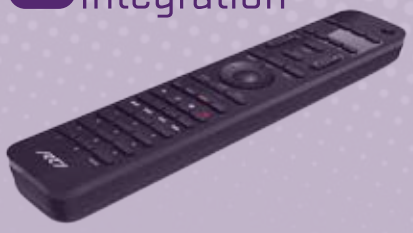
RTI specialises in advanced control products for controlling the operation of audio, video and other systems, such as lighting & HVAC.

RTI products are uniquely designed to meet the needs of the custom install professional whilst providing a simplified interface for the end user.

7 Integration Designer

8 Mobile Device Integration



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Combining advanced capabilities with unprecedented value, Pro Control programmable remote controls, professional-grade control systems and accessories provide the ultimate control solution for professionally installed entertainment systems.

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32 xantech

Established in 1969, Xantech designs and manufactures an extensive range of state of the art IR control systems, many of which have become the de facto industry standards.

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39 LUXUL

Luxul is a leading innovator of high performance Wi-Fi and wired networking products that are powerful, cost-effective, and easy-to-deploy. We are experts in delivering highly reliable solutions for use in the most demanding network deployments.

Networking **40**

RTI

ABOUT RTI...

RTI makes using today's technology easy with a complete line of award-winning home control solutions. With the ability to control the home cinema, whole house audio, lighting, HVAC, and security to name a few, RTI provides a simple, unified interface for today's home control demands. With a complete lineup of handheld and in-wall controllers, as well as powerful system processors, RTI products can be integrated into virtually any home environment for a truly enjoyable control experience.

Home Automation

Managing the ever increasing technology options throughout the home can become overwhelming. RTI systems can put the homeowner back in command of these technologies by bringing together control of electronics, whole house audio, lighting, security, and HVAC into one, simple interface. Whether in-wall or wireless, RTI products offer tremendous flexibility, allowing for a control interface tailored to each homeowner's automation needs and technical aptitude.

Home Cinema

RTI control systems allow every member of the family to easily operate even the most sophisticated home theatre. With one-touch control and automation of audio, video, and lighting systems, RTI can eliminate the clutter and confusion of multiple remotes, so more time can be spent enjoying the home cinema experience

Outdoor

RTI brings control to the outdoors with its line of wireless control products. Whether it's a patio, pool, or backyard, RTI offers a solution to take control of home entertainment outdoors. Imagine being able to change radio stations or a music library with a simple button press while relaxing in a pool or hot tub. With an RTI control system, outdoor home entertainment is just a click away.

INTEGRATION DESIGNER®

INTEGRATION DESIGNER®

Integration Designer® is a powerful, easy-to-use, Windows based software package that allows the entire RTI control system to be programmed from any PC. It provides a wide variety of powerful tools to make the programming process quick and easy.

Integration Designer® allows complete flexibility in the design of the controller screen. Several pre-defined button shapes are provided, and a complete set of editing tools is provided to create custom graphics for the display. Infrared codes can be added to any button by a simple drag-and-drop process. The Macro Editor provides a simple interface for allowing every button in the system to carry out complex multi-step actions.

Integration Designer® also includes a powerful Infrared & RS232 Library Managers, which allows infrared & RS232 codes to be learned, or written, and stored for easy reuse in multiple systems. Updates to the libraries are continually being made available for download.

Integration Designer® is only available to specialist RTI installers.

Training on the RTI system and programming is available all over the UK

invisionuk TRAINING ACADEMY

PRODUCT HALL OF FAME CEDIA

Develop your knowledge...

"Join us on our training courses where you will learn to specify, configure, add devices and program an RTI system. For further details please visit our training website - www.invisiontraining.co.uk - and we look forward to meeting you."

David Meyerowitz, Sales Specialist

invisionuk TRAINING ACADEMY

MOBILE DEVICE INTEGRATION

SURFIR COMPANION REMOTE AND RTIPANEL

SURFiR

The SURFiR companion remote represents a revolutionary new concept in control, providing an affordable solution to incorporate tactile control with a smartphone or tablet device.

- RF or Zigbee output
- **NO** local IR output
- Fully customisable via Integration Designer
- Colour buttons for Sky and cable guides
- "Find Me" feature, built-in beeper to help find remote (only when using Zigbee)
- "Follow Me" for dedicated control when iDevice has disappeared.

RTiPanel

The RTiPanel offers the same intuitive control experience RTI remote controls offer, running on an Apple or Android device. This provides secure local or remote access to an RTI XP series control processor from any Internet connection.

- LAN control via Wi-Fi and WAN control off site.
- Supports creation of both portrait and landscape views with minimal extra programming required.
- Remote access requires a connection to the Internet and either a static IP address from the ISP (Internet Service Provider), or a dynamic DNS account implemented.
- Users can view and adjust thermostats, monitor security systems and turn off lights, in addition to controlling their AV electronics, from the office, on vacation, or virtually anywhere in between.

Add iRoom to your iDevice installs to create the perfect in-wall docking station.

For more details please contact our sales team on 01359 270280.

HANDHELD REMOTE CONTROL

T1B UNIVERSAL REMOTE CONTROL

Keys available for Laser Shark service
Interchangeable Keycaps
Local IR/RF (433mHz) output
Tilt switch and backlit keys
4 colour buttons for Sky and cable guides
Charging dock

T1B

The T1B allows all other factory remote controls to be combined into one simple, ergonomic user interface providing powerful one-handed system control. It is capable of RF transmission through walls and cabinets - to an RTI processor. This then allows for RS-232 control, contact closures, power sensing and much more.

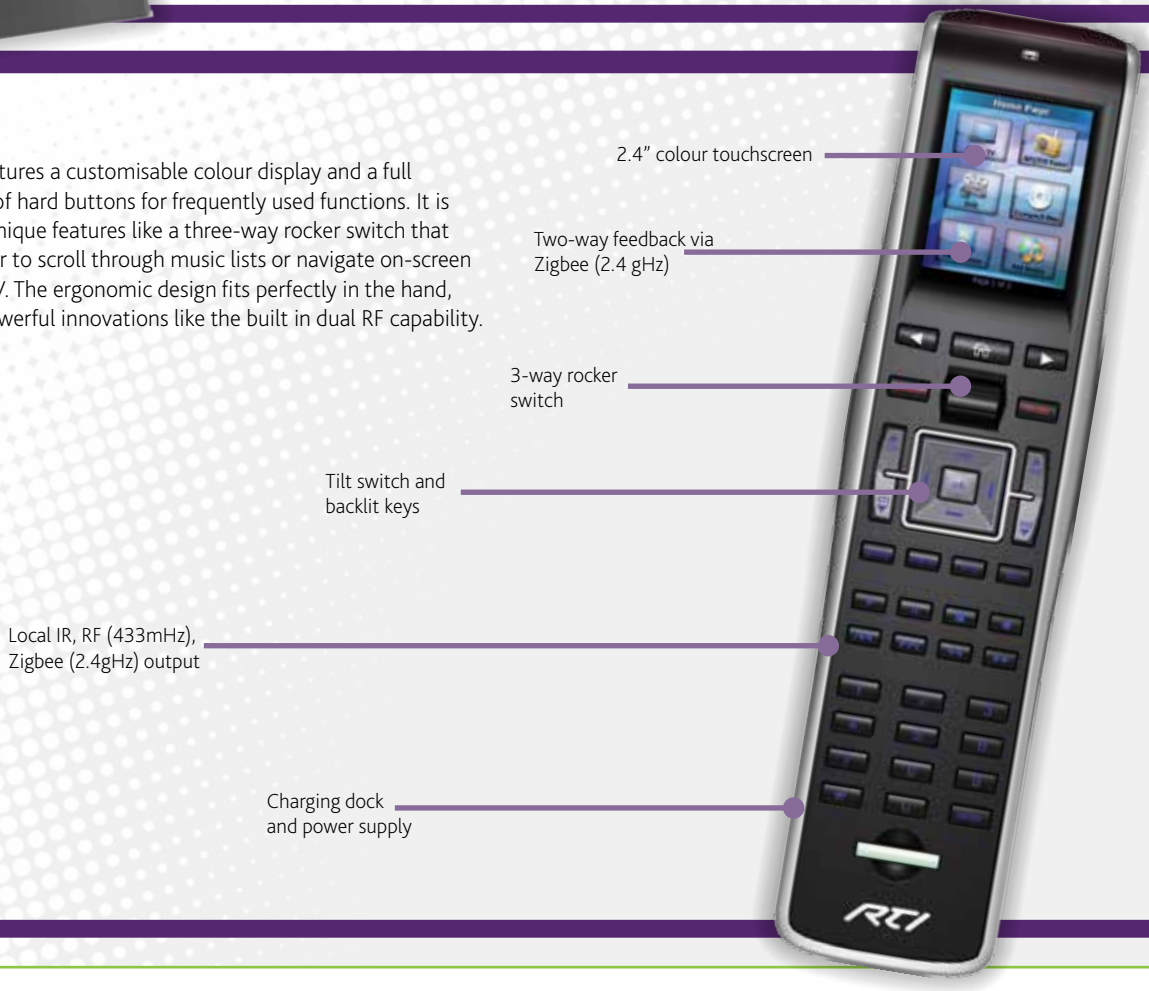
See Pg18

Laser Shark

T2Cs+ UNIVERSAL REMOTE CONTROL

T2Cs+

The T2Cs+ features a customisable colour display and a full complement of hard buttons for frequently used functions. It is loaded with unique features like a three-way rocker switch that allows the user to scroll through music lists or navigate on-screen menus on a TV. The ergonomic design fits perfectly in the hand, concealing powerful innovations like the built in dual RF capability.


2.4" colour touchscreen
Two-way feedback via Zigbee (2.4 gHz)
3-way rocker switch
Tilt switch and backlit keys
Local IR, RF (433mHz), Zigbee (2.4gHz) output
Charging dock and power supply

HANDHELD REMOTE CONTROL

T2C+ UNIVERSAL REMOTE CONTROL

2.8" OLED touch-screen

Dual RF (433mHz) and Zigbee (2.4gHz)

3-way rocker switch for scrolling list navigation

41 programmable keys

Tilt switch and backlit buttons

Extremely wide IR transmitting frequency range

T2C+

T2C+ Universal System Controller represents a perfect example of style and function, blended seamlessly together. The T2C+ is loaded with innovations such as a revolutionary dual RF platform to offer communications with RTI central processors either one way with 433MHz or bi-directionally with compatible devices with 2.4GHz.

T3V+ UNIVERSAL REMOTE CONTROL

T3V+

The T3V+ is enhanced with a state-of-the-art dual RF platform, improved WiFi® performance and updated hard button configuration. Experience the eye-popping colour of the 3.5" full VGA touchscreen, offering a completely customisable user interface for intuitive command over the entire electronics system. Wireless Ethernet and a built-in web browser allow the user to access web pages and IP addressable devices such as security cameras. Like never before, the T3V+ places powerful, stylish control in the palm of your hand.

High resolution full VGA 3.5" touchscreen

Built-in WiFi for IP cameras

Interchangeable keycaps available for Laser Shark service

Local IR, RF (433mHz), Zigbee (2.4gHz), and WiFi outputs

23 programmable hard buttons

Charging dock and cradle

See Pg18

Laser Shark

WEATHERPROOF REMOTES

U1 WEATHER RESISTANT CONTROLLER

U1

The U1 has been designed for reliable wireless control for audio and video systems from environments which are too harsh for normal remote controls. It is completely sealed, making it weather resistant. Whether indoors or out, it is a perfect companion for hot tubs, pools, bathrooms and patios.

U2 WEATHER RESISTANT CONTROLLER

Customisable LCD display with 8 programmable hard buttons
NO Local IR
Durable weather resistant design
Uses RF (433MHz) for operation through walls and cabinets etc.
42 programmable buttons
Optional interface for RS232 controlled equipment
Fully customisable

U2

The U2 has been designed for reliable wireless control of audio and video systems from environments which are too harsh for normal remote controls. It is completely sealed, making it weather resistant. The U2 combines the convenience of eight programmable "soft" buttons with an LCD display and the ideal selection of commonly used keypad buttons.

HANDHELD REMOTE CONTROL

HANDHELD REMOTE CONTROL COMPARISON

T1-B

T2-Cs+

T2-C+

T3-V+

U2

SURFiR

Model	Power	Display type	Display size	Display resolution	Touch screen	Hard buttons	Web browser	Dimensions (WxHxD)	Output
T1-B	Lithium Ion battery with charging cradle	---	---	---	---	52	No	48mm x 254mm x 23mm	IR, RF (433MHz)
T2-Cs+	Lithium Ion battery with charging cradle	Colour LCD	2.4"	240 x 320	Yes	41	No	64mm x 248mm x 25mm	IR, RF (433MHz), Zigbee (2.4GHz)
T2-C+	Lithium Ion battery with charging cradle	Colour OLED	2.8"	240 x 320	Yes	41	No	66mm x 254mm x 25mm	IR, RF (433MHz), Zigbee (2.4GHz)
T3-V+	Lithium Ion battery with charging cradle	Colour LCD	3.5"	480 x 640	Yes	23	Yes	79mm x 193mm x 28mm	IR, RF (433MHz), Zigbee (2.4GHz), 802.11 - WiFi
U1	4X AAA batteries	---	---	---	---	12	No	59mm x 150mm x 30mm	RF (433MHz)
U2	4X AAA batteries	Mono LCD	2.1"	64 x 128	No	42	No	61mm x 231mm x 25mm	RF (433MHz)
SURFiR	4X AAA batteries	---	---	---	---	50	No	46mm x 240mm x 22mm	RF (433MHz), Zigbee (2.4GHz)

RM-433 RF RECEIVER

RM-433

The RM-433 is a radio frequency receiving device that operates at 433MHz. It is designed to receive signals that are transmitted by RTI universal system controllers.

The RM-433 contains a microprocessor that monitors all received signals so that RF noise and data from non-RTI transmitters is filtered out. When valid RTI data is detected, the RM-433 passes the signal through its output driver which allows the data to travel long distances over wire.

- Provides RF (433mHz) gateway for processors
- Sits on a bus style network
- Up to 10 per processor
- Up to 1000ft cabling distance

CONTROL ACCESSORIES

ZM-24 TRANSCEIVER MODULE

ZM-24

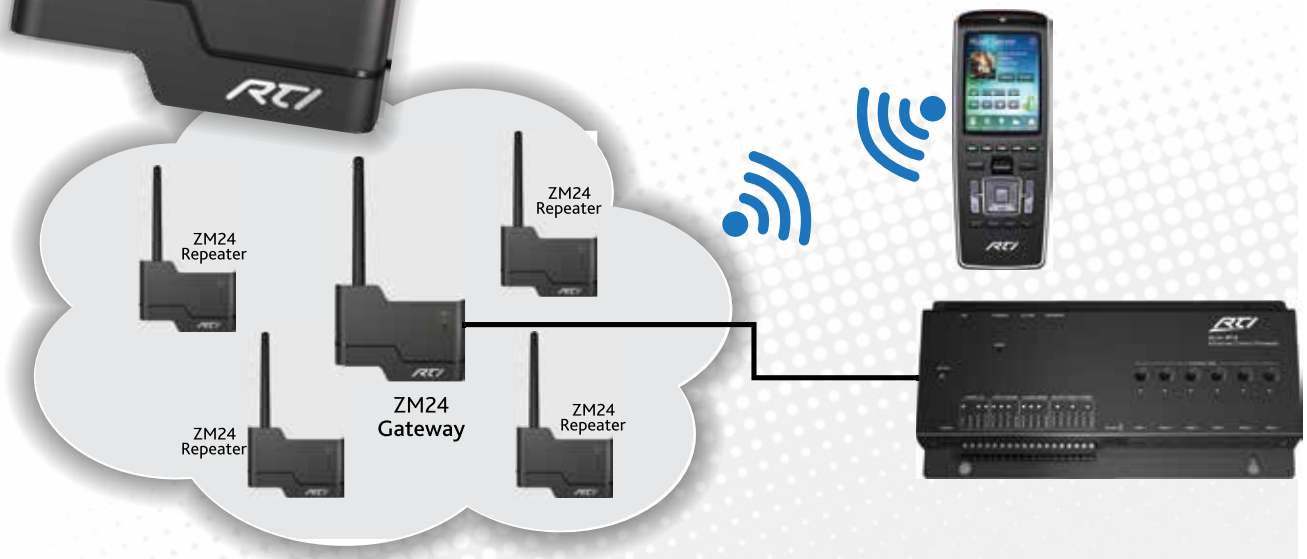
The ZM-24 transceiver module provides bidirectional communication between two-way enabled RTI remote controls and control processors utilising Zigbee® wireless communication. Capable of being hard-wired directly to a control processor or be used as a wireless repeater device to create an ultra-reliable, self-healing "mesh" network.

- Connects to a central processor from up to 1000 feet away using standard Cat5 cable.
- Utilises IEEE802.15.4 wireless Zigbee® communication at 2.4Ghz.
- Wireless Zigbee® communication range between ZM-24 modules up to 100 feet.

Two operational modes:

Operation mode 1 - ***Gateway*** - Hard wired into the control processor via RTI COMM port

Operational mode 2 - ***Repeater*** - Wirelessly meshes with other ZM24 units. (ZBPro required to program repeaters)



IR-PRO & ZB-PRO TOOLS

IR-PRO

Unlike the capture hardware available in universal "learning" remote controls, the IR-PRO incorporates a much more robust and sophisticated circuit design. This, combined with RTI's proprietary software algorithms, allows the IR-PRO to reliably capture almost any infrared code regardless of code format, frequency, output strength, battery condition, alignment position, location of infrared emitter, etc.

ZB-PRO

The ZB-Pro is a Professional Network management Tool for use with RTI 2.4GHz wireless ZigBee® networks. Attached to a standard USB port of a PC, the ZB-Pro communicates with ZM-24 Transceiver Modules via 2.4GHz. This allows you to configure ZM-24s as repeaters.

IN-WALL CONTROLLERS

RKM1+ MULTI-ROOM AUDIO KEYPAD

Volume feedback via compatible driver

RS485 for power and data

Includes White, Black and Light Almond faceplate

Backlit keys

Single J Backbox

Standard decora facia

Provides feedback from distributed audio systems and multi-zone receivers via compatible RTI XP series control processor (XP-6/XP-8s)

RKM1+

The RKM1+ has a clean, sleek look that is designed specifically for multi-room audio control that is easy to use and fits in nearly any budget. Outfitted with the essential hard buttons for intuitive control, the RKM1+ also has a customisable LED backlit lens for visual feedback of source selection in addition to volume and tone levels.

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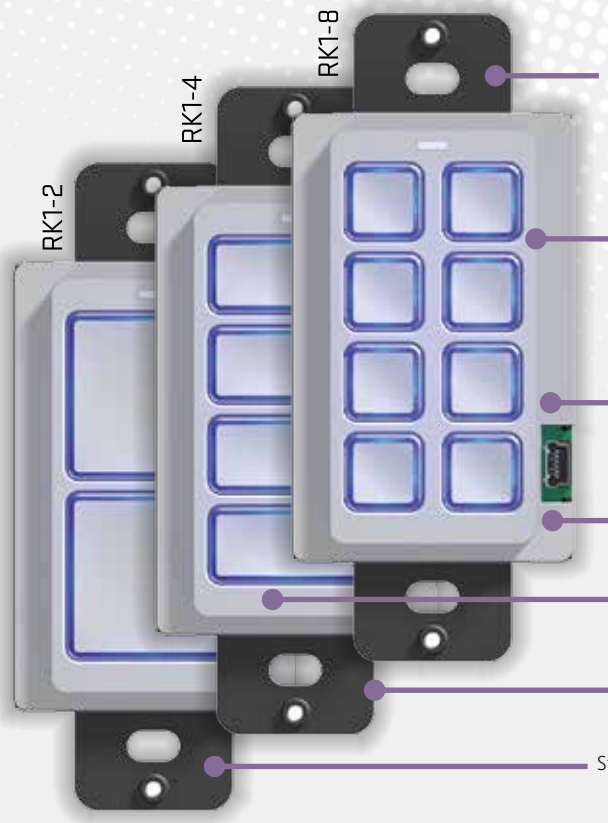
Laser Shark

RK1 IN-WALL CONTROLLER



2, 4 or 8 assignable button models available

User definable backlight colour, with up to 15 different colours

IR output port drives up to 1000ft of wire

Cover plates available in White, Black and Grey. *Sold separately.*

All buttons available for customising via Laser Shark

Single J Backbox

Standard decora facia

RK1 range

The RK1 is a customisable keypad designed for flush-mount installations in walls or cabinets. It provides a self-contained control system for controlling audio/video components, lights, or other electronic systems in the home. Sized for a single gang electrical box, the RK1 incorporates fully-programmable buttons which can be custom labelled with text and symbols. In addition to custom labels, the backlight for each button can be configured to display almost any desired colour.

See Pg18

Laser Shark

IN-WALL CONTROLLERS

KX2 IN-WALL CONTROLLER

KX2

The KX2 in-wall controller's elegant design maintains the perfect balance between programmable hard buttons and display size. At 2.8 inches, the LCD is small enough to blend into any environment, yet it provides the resolution necessary for displaying custom buttons, text, and graphics.

- Stylish, low-profile design
- White faceplate with black bezel
- 2.8" LCD display
- 12 programmable keys
- Integrated 10/100Base-T Ethernet power via PoE. For communication with processor

RK3V IN-WALL CONTROLLER

RK3V

The RK3V provides elegant and intuitive control of today's entertainment, environment and security systems. It is capable of displaying text and graphics with incredibly rich and vivid detail with a full 3.5" VGA display. It can be used as a stand-alone device or as a part of an expandable central control system. It can directly control almost any audio/video component or lighting system up to 1000 feet away using its infrared output port.

- IR Receiver
- RS485 for power and data with processor
- Local IR/Relay output
- Faceplates available in Gloss or Satin White, Gloss or Satin Black. *Sold Separately*
- High resolution 3.5" full VGA screen
- Integrated 10/100Base-T Ethernet power via PoE. For communication with processor
- Custom back box
- All 9 hard buttons are available for customisation via Laser Shark

See Pg18

Laser Shark

IN-WALL CONTROLLERS

KX7 IN-WALL CONTROLLER

KX7

The extraordinary KX7 is packed full of features for complete control of entertainment, environment and security systems in any residential or commercial installation. Taking the user experience to a new level, the vivid 7" LCD touch screen even allows screen swiping for page navigation. Meanwhile dealers will love the powerful capabilities at their disposal, such as the built-in infrared communication capability, allowing for direct control of electronics without a control processor.

7" LCD with integrated multi-touch capacitive touchscreen that allows screen swiping for page navigation
Integrated 10/100Base-T (with PoE) and 802.11 wireless Ethernet
Fully customisable interface
Powered by PSU, CB8 or PoE
Home Page
Outdoor: 68°
Indoor: 72°

RK10 IN-WALL CONTROLLER

RK10

The RK10 is powerful enough to be used as a standalone device, and really shines when used with available RTI accessory devices and advanced control options such as infrared routing, relay control, power sensing and two-way communications become available. Built-in wired and wireless (802.11b/g) Ethernet allows access to MotionJPEG video from network security cameras, downloading of data from the Internet, control of music or video hard drive servers, and much more.

IN-WALL CONTROLLERS

IN-WALL CONTROLLER COMPARISON

RKM1+ RK1-2 RK1-4 RK1-8 KX-2 RK-3V KX-7 RK10

Model	Power	Display type	Display size	Display resolution	Touch screen	Hard buttons	Web browser	Ethernet capable	Dimensions (WxHxD)	Cut-out Dimensions (WxH)	Faceplate Required
RKM-1+	9-16V DC	---	---	---	---	9	No	No	46mm x 104mm x 25mm	Single gang backbox	Standard Decora
RK1-2	9-16V DC	---	---	---	---	2	No	No	46mm x 104mm x 43mm	Single gang backbox	Standard Decora
RK1-4	9-16V DC	---	---	---	---	4	No	No	46mm x 104mm x 43mm	Single gang backbox	Standard Decora
RK1-8	9-16V DC	---	---	---	---	8	No	No	46mm x 104mm x 43mm	Single gang backbox	Standard Decora
KX-2	9-16V DC or PoE	Colour LCD	2.8"	240 x 320	Yes	12	No	Yes	112mm x 117mm x 36mm	94mm x 94mm	RTI Standard
RK-3V	9-16V DC or PoE	Colour LCD	3.5"	480 x 640	Yes	9	Yes	Yes	140mm x 146mm x 29mm	120mm x 130mm	RTI Standard
KX-7	9-16V DC or PoE	Colour LCD	7"	800 x 480	Yes	0	Yes	Yes	217mm x 151mm x36mm	195mm x 143mm	RTI Standard
RK10	24V DC 2A max.	Colour LCD	10.2"	1024 x 600	Yes	0	Yes	Yes	222mm x 313mm x 25.5mm	190mm x 279mm	RTI Standard

CB8 CONNECTING BLOCK

CB8

The CB8 is an installation accessory designed to provide convenient and reliable power connections for up to 8 RTI in-wall keypads, touchpanels and other devices. In addition to providing power, the CB8 combines and routes the infrared outputs from the touchpanels to a single output for connection to an RTI control processor. Multiple CB8 units can be daisy-chained for connecting more than eight devices. A 4.3 Amp, 16VDC power supply is included. (Not compatible with RK-10).

LASER SHARK

Laser Shark

The powerful yet simple to use Laser Shark® software allows you to use almost any font or graphic, to insure intuitive control for your clients.

Features

- Allows easy customisation of button keycap labels on certain RTI products.
- Select from almost any font type, language, symbol or graphic image.
- Compatible with RK1-2, RK1-4, RK1-8, RKM-1+, RK3-V, T1-B, and T3V+
- Software is free of charge.

CONTROL PROCESSORS

RP1 CONTROL PROCESSOR

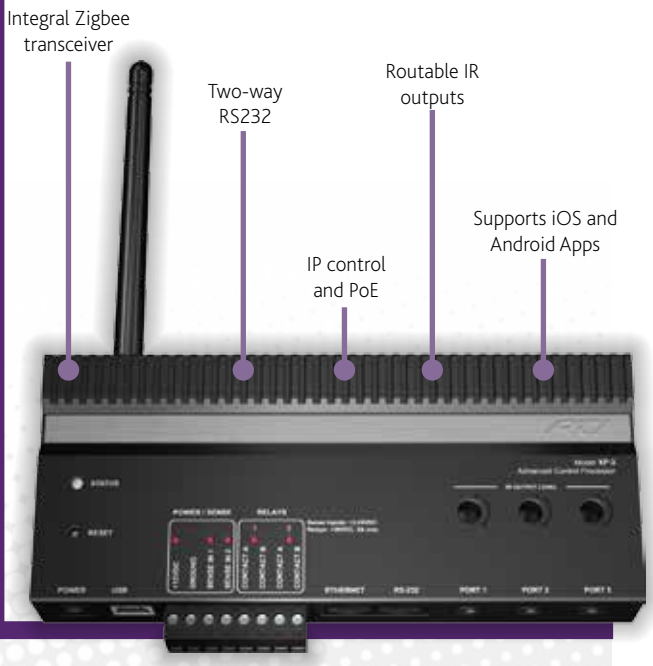
RP1

The RP1 Remote Control Processor is a powerful central controller that is designed for seamless integration with RTI's family of universal remote controls. Unlike simple RF-to-IR converters, the RP1 stores all system commands and macros where they should be - within a central processor. The RP1 is a single box solution, receiving RF trigger codes from RTI remotes via the integrated receiver. Ships with ECB-5.

XP3 CONTROL PROCESSOR

XP3

The XP-3 is a powerful remote control processor designed to automate and enhance the operation of electronics in smaller scale residential and commercial installations.



XP6 CONTROL PROCESSOR

XP6

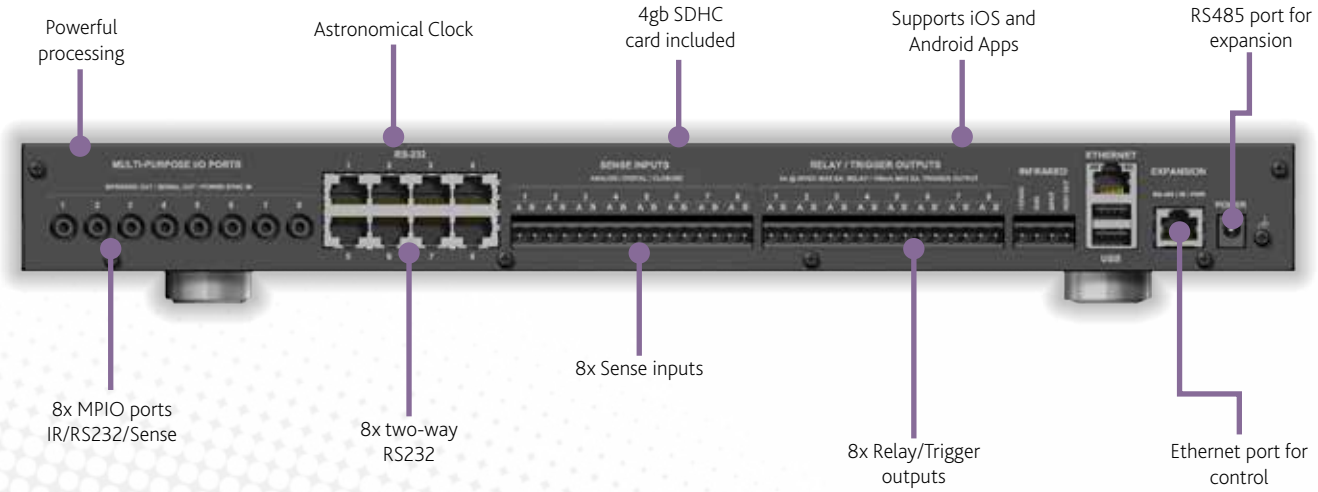
The XP6 is the perfect centrepiece of any professionally installed control system. It is designed to automate and enhance the operation of AV, security, lighting, HVAC, and countless other devices in a commercial or residential environment. The XP6 is packed with features to facilitate integration of third-party devices into one seamless and cohesive system, with a variety of communication options such as RS-232, relay, IP, and routable IR control.

CONTROL PROCESSORS

XP8s CONTROL PROCESSOR

XP8s

The XP-8s has eight multi-purpose I/O ports that accept standard IR emitters and repeater systems with variable IR output. For expanded integration capabilities, these multi-purpose ports also support optional modules for voltage sensing and RS-232 control. The XP-8s also features eight programmable relay input/outputs and eight sense inputs (voltage or contact closure). Eight two-way RS-232 ports and an Ethernet port provides even more advanced control with feedback.



CONTROL PROCESSOR COMPARISON

Features	RP-1	XP-3	XP-6	XP-8s
Network/USB Programmable	✓ (USB Only)	✓	✓	✓
IP Communications Capable	---	✓	✓	✓
Integrated ZigBee Transceiver	---	✓	---	---
RTI COMM Port - for ZM24	---	---	✓	✓
Expansion Port - for RS485 Touchpanels	---	---	✓	✓
12V DC trigger outputs	---	---	3	8
Programmable relays	---	2	3	8
Two-way RS232 Ports	---	1	2	8
Sensing inputs	1	1	6	8
Number of standard routable IR Ports	1 & 5x non-routable	3	6	8
MPIO Ports	---	1	6	8
High IR Output port	---	---	✓	✓
Internal Memory	✓	128 MB	128 MB	128 MB
SD Card Slot	---	---	---	✓ (4Gb included)
Rack Mountable	---	---	---	✓

ACCESSORIES

ACCESSORIES

PCM-4 - Port Control Module

- 4x MPIO ports made available to an XP series processor.
- Use multiple PCM-4 modules for virtually unlimited control of devices.
- Communicate with XP processor over Ethernet for easy expansion.
- 1x 12VDC voltage trigger output.
- Powered using power supply or PoE

NOW Shipping

RCM-4 - Relay Control Module

- Four individually addressable relays.
- Relays capable of switching up to 28VDC@5A.
- Relays can be used in a normally open or normally closed configuration.
- Relays can be controlled with both IR and Ethernet.
- Powered using power supply or PoE

Available Q2 2013

ECB-5 - Emitter Connecting Block

- Five non-routable infrared emitter outputs
- Power sense input
- Variable IR output power

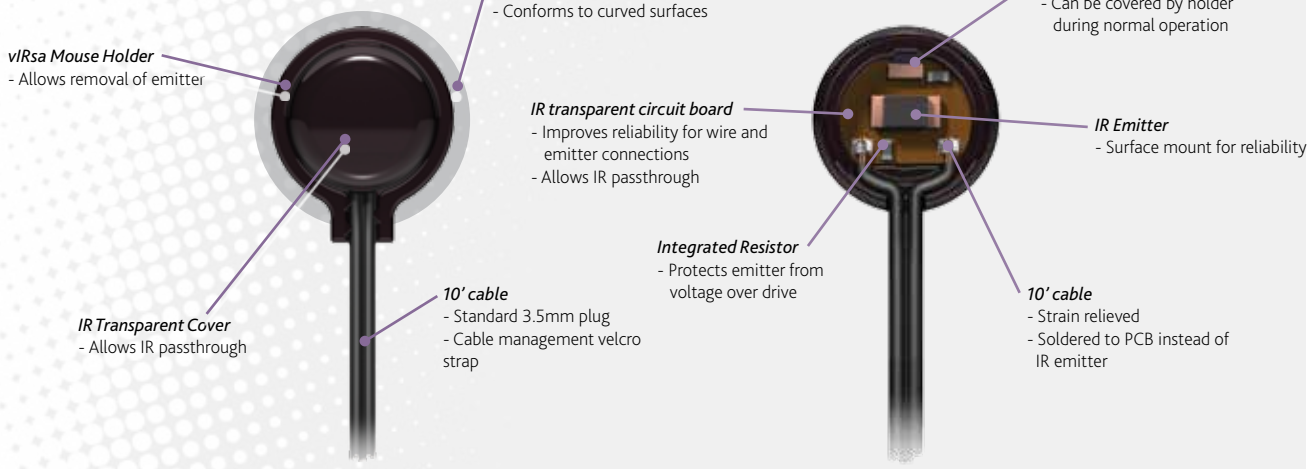
ESC-2 - Ethernet to Serial Converter

- Provides two additional serial ports to an RTI control processor.
- Use multiple ESC-2 modules for virtually unlimited control of serial devices.
- Capable of two-way serial communication.
- Can be discovered and configured by Integration Designer over Ethernet.

CB-8 - Connecting Block

- Includes 16VDC, 4.3 Amp power supply capable of powering up to eight RTI in-wall keypads, in-wall controller.
- Combines and routes the infrared output from in-wall system controllers to a single output for connection to an RTI control processor
- Multiple CB-8 units can be daisy-chained for connecting more than eight devices
- RJ45 ports for easy connection of devices

vIRsa MOUSE


Flexible film adhesive
- Conforms to curved surfaces
vIRsa Mouse Holder
- Allows removal of emitter
IR transparent circuit board
- Improves reliability for wire and emitter connections
- Allows IR passthrough
Blue feedback LED flasher
- Can be covered by holder during normal operation
IR Emitter
- Surface mount for reliability
Integrated Resistor
- Protects emitter from voltage over drive
IR Transparent Cover
- Allows IR passthrough
10' cable
- Standard 3.5mm plug
- Cable management velcro strap
10' cable
- Strain relieved
- Soldered to PCB instead of IR emitter

TWO-WAY DRIVERS

RTI offer a vast range of 2-way RS232 and TCP/IP drivers. They range from controlling a humble Blu-ray player right up to the most advanced Lighting and HVAC systems. We use these drivers to give us the most effective control solution available.

Designed with an open architecture, RTI's remote controls and in-wall touch screens interface seamlessly with a wider variety of third party products than ever before.

Lighting

HVAC

iPod/Music Server

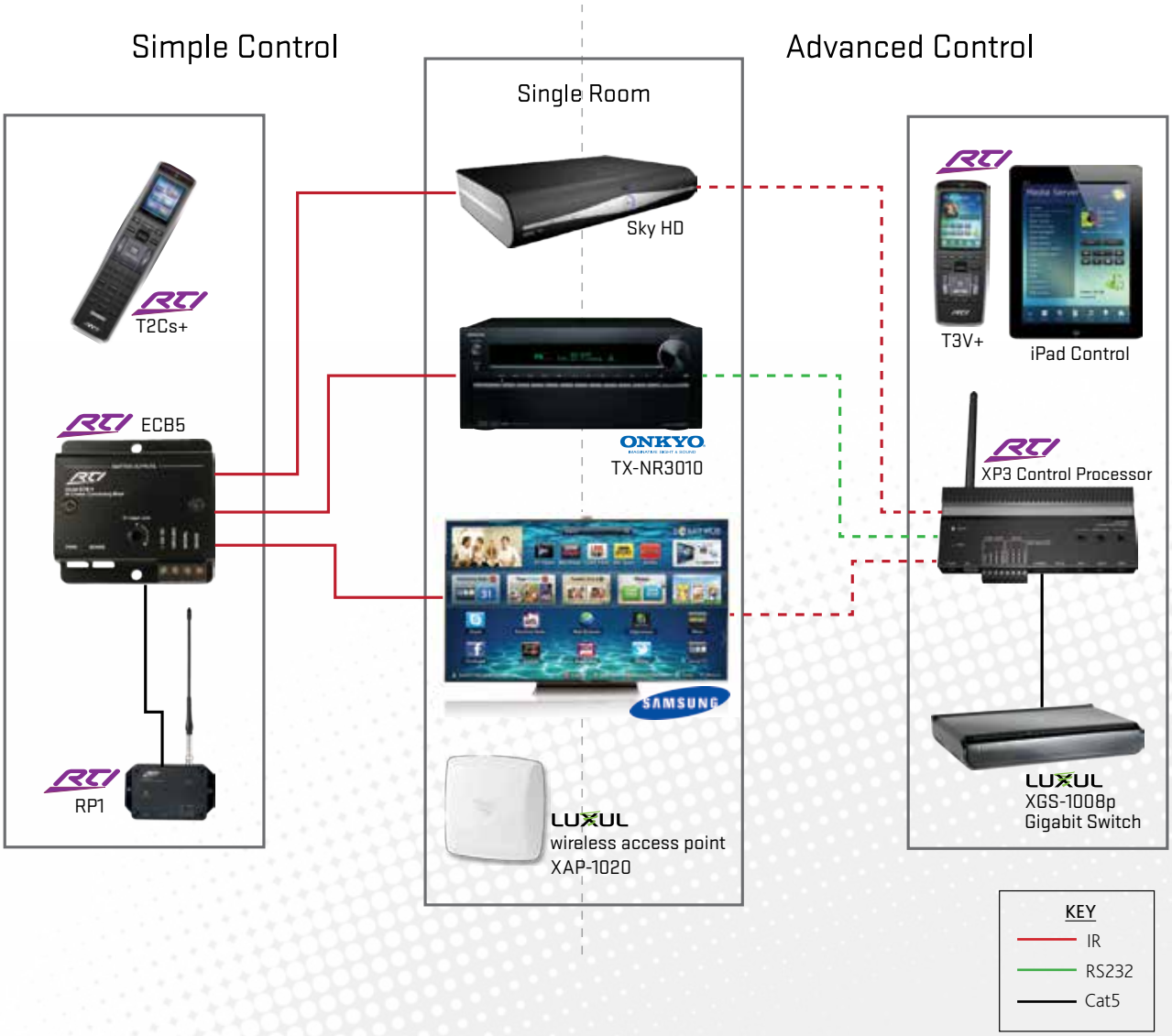
Security

Some of the available drivers from RTI

rako · kaleidescape · LINN · NUVO The Sound of LiVing · ONKYO · WyreStorm DIGITAL INTEGRITY · DENON · Helvar · AUTONOMIC · KNX · CLIPSAL · LUTRON · Panasonic · JVC · heatmiser · Honeywell · LOEWE. · POLYCOM · YAMAHA

Please check the RTI website for the latest details on RTI Drivers - **www.rticorp.com**
To search for other RTI drivers visit **www.myrti.com**

SINGLE ROOM



SIMPLE CONTROL

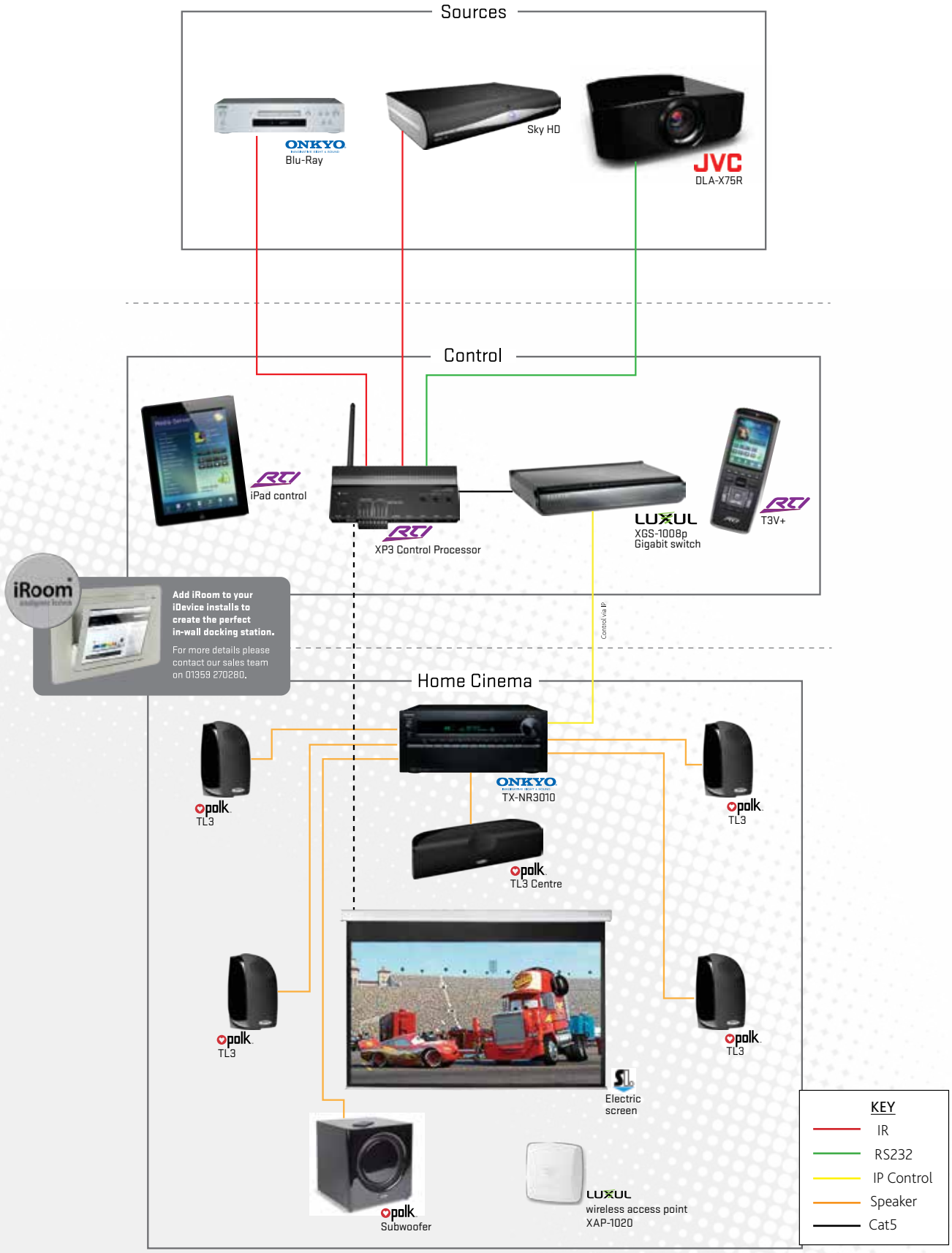
- Basic IR (infrar-red) control
- One-way control
- RF (Radio Frequency) communication

ADVANCED CONTROL

- Bi-directional 2.4GHz Zigbee
- Two-way control
- Mobile device integration

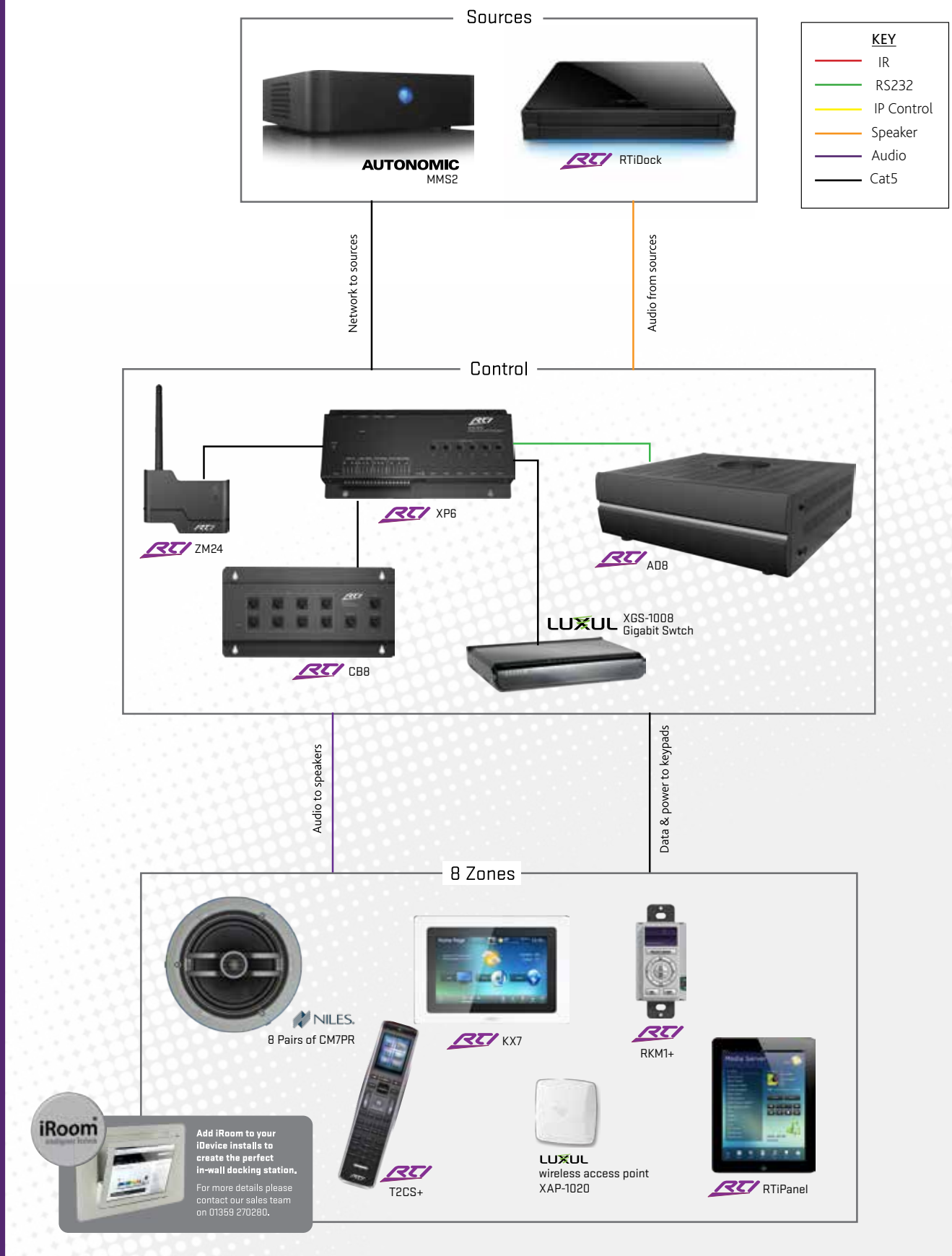
HOME CINEMA

HOME CINEMA



MULTI-ROOM AUDIO

MULTI-ROOM AUDIO



PRO CONTROL

ABOUT PRO CONTROL...

Pro Control is a division of Remote Technologies Inc., an award-winning manufacturer of innovative home control products for nearly 20 years. Pro Control combines advanced capabilities with unprecedented value. The Pro Control range includes programmable remote controls, professional-grade control systems and accessories provide the ultimate control solution for professionally installed entertainment systems.

The Pro Control series combine intuitive layout and elegant design to give us the one touch simplicity required from a control system.

invisionuk TRAINING ACADEMY

For training on Pro control programming please attend our regular one hour webinars.

PRO.r RANGE

Pro24.r

The Pro24.r is the pure essence of style and simplicity. A dazzling LCD touchscreen display and fully programmable hard buttons assure intuitive control. Compromising quality is no longer necessary even for basic control.

- RF (433MHz) and IR
- Compatible with ProLink.r processor
- USB recharging cable
- USB programming
- Full colour touchscreen display
- Screen size - 2.4"
- 45 programmable hard buttons

ProLink.r

This processor features IR and an integrated 433-MHz RF antenna for efficient one-way reception from the Pro24.r controller.

- Supports Pro24.r & iPro8 remotes
- 4x Integrated IR routing ports
- 2x Voltage sense input
- Built-in One-way RF control (433MHz)
- USB Programmable

PRO.z RANGE

Pro24.z

Our most powerful remote, the sleek and sophisticated Pro24.z provides total control over virtually any number of devices.

- Programmable 5-way joystick
- Zigbee (2.4 GHz) and IR
- Compatible with ProLink.z processor
- Recharging cradle and USB recharging cable
- USB programming
- Full colour touchscreen display
- Screen size - 2.4"
- 48 programmable hard buttons

ProLink.z

Enjoy advanced control via six IR output ports, an Ethernet port, and two two-way RS-232 ports for bidirectional communication.

- Supports iPro8 and Pro24.z remotes
- 2x integrated RS232 ports
- Ethernet control and used for programming
- 6x Integrated IR routing ports
- 2x Voltage sense input
- Built-in Bidirectional Zigbee (2.4 GHz)

iPRO.8 RANGE

iPRO.8 & PRO PANEL

iPro8

This companion control for smart phones, tablets and PCs combines unrivalled control and amazing value.

- RF (433 MHz) or Zigbee (2.4 GHz)
- Compatible with ProLink.z or ProLink.r processor
- 4x AAA batteries
- Works with iPad App
- 50 programmable hard buttons

Add iRoom to your iDevice installs to create the perfect in-wall docking station.

For more details please contact our sales team on 01359 270280.

ProPanel

Use the ProPanel app to integrate your ProLink processor with your iDevices. You can even control your home environment form the office or while travelling - anywhere you have an internet connection.

PRO.ACCESSORIES

PRO.ACCESSORIES

Pro.Relay.4

The Pro.relay.4 Relay Control Module can be powered over Ethernet (PoE) and provides four addressable relays for controlling everything from amplifiers to window coverings.

- IP controllable
- Programmable momentary relay hold times
- Ethernet RJ-45 port for power
- 4x addressable relay outputs

Pro.ircb

The Pro.ircb.4 IR Emitter Connecting Block provides infrared expansion when used with Pro Control Processors.

- 3.5mm jack cable included to connect to ProLink processors
- No PSU required for power
- 4x non-routable IR ports

Pro.dock

This is the charging cradle for the Pro24.z and Pro24.r v2 which is used in conjunction with the charger to provide a simple and stylish remote charging solution.

Charger for the Pro24.z sold separately. Note: Cradle will not work with the Pro24.r v1

PRO.CESSOR COMPARISON

Features	ProLink.r	ProLink.z
Remote Control Supported	Pro 24.r and iPro.8	Pro 24.z and iPro.8
Supports ProPanel app	Yes (1-way)	Yes
Supports 2 way feedback	---	Yes
Integrated RS-232	---	2
Ethernet Control	---	Yes (2 way control)
Ethernet programing	Yes	Yes
USB Programing	Yes	Yes
Adustable IR output strength	Yes	Yes
Integrated IR routing ports	4	6
Voltage sense inputs	2	2
Unlimited commands & macros allowed	Yes	Yes
Integrated Antenna	RF 433 MHz	Bi-Directional ZigBee

PRO CONTROL COMPARISON

PRO.REMOTE COMPARISON

Remote Features	Pro24.z	Pro24.r	iPro.8
Programmable 5-way joystick	Yes	No	No
RF frequency	Bidirectional Zigbee (2.4 GHz)	1-way (433 MHz)	433 MHz or 2.4GHz Zigbee
Compatible with Pro Control processor	ProLink.z	ProLink.r	ProLink.z or ProLink.r
Recharging cradle	Yes	No	N/A
USB Recharging cable	Yes	Yes	N/A
USB programming	Yes	Yes	No
Control via IR	Yes	Yes	No
Full color touchscreen display	TFT LCD	TFT LCD	N/A
Battery type	Lithium-Ion	Lithium-Ion	Four AAA
Number of commands and macros allowed	Unlimited*	Unlimited*	Unlimited*
Wizard-based programming	Yes	Yes	Yes
Number of controlled Devices	Unlimited*	Unlimited*	Unlimited*
Customizable graphics	Yes	Yes	N/A
Integrated tilt switch automatically turns on backlight	Yes	Yes	N/A
Screen size (inches)	2.4	2.4	N/A
Screen resolution (pixels)	240x320	240x320	N/A
Number of programmable hard buttons	48	45	50
Dimensions (H x W x D)	248mm x 56mm x 23mm	248mm x 56mm x 23mm	240mm x 46mm x 22mm

*Storage is only limited by available memory.

Develop your knowledge...

"We run regular one hour ProControl webinars where we cover the complete product range and also teach you how to program the system. For details please visit our training website - www.invisiontraining.co.uk ".

XANTECH

ABOUT XANTECH...

Xantech pioneered IR control and subsequently became market leaders. Now, with its 85 series the company has reinvented infrared control for audiovisual and other systems.

When flat-screen TVs first appeared over a decade ago, Xantech's Dinky Link made it possible to add IR repeater control. Noise rejection, freedom from interference, and range and repeater signal accuracy are more critical now than ever before.

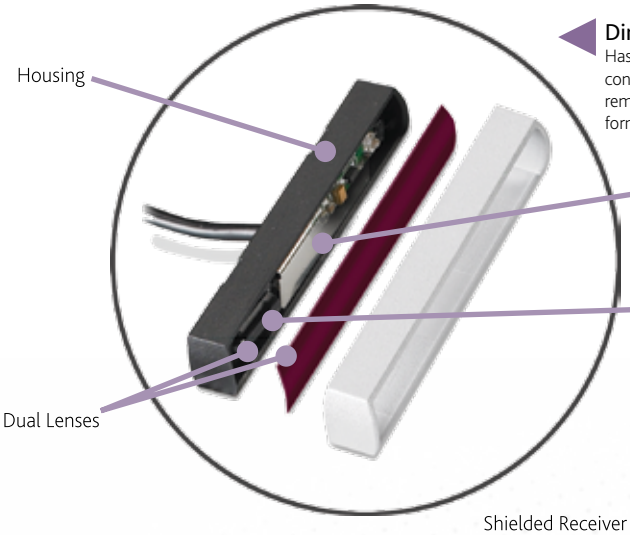
In recognition of Xantech's leadership role in the critical field of IR component design, the Dinky Link was inducted into CEDIA's Product Hall of Fame in 2010 - one of the industry's highest statements of recognition.

XANTECH DIAGRAM

85/95 SERIES IR KIT

Xantech IR Kits

The new 85 series IR kits from Xantech feature five significant advances in IR control to achieve their remarkable sensitivity, performance and reliability in a wide variety of installation environments. In addition, all Xantech IR series kits feature advanced circuitry which passes the native IR carrier and data signals faithfully and reliably to ensure proper control of all AV components.

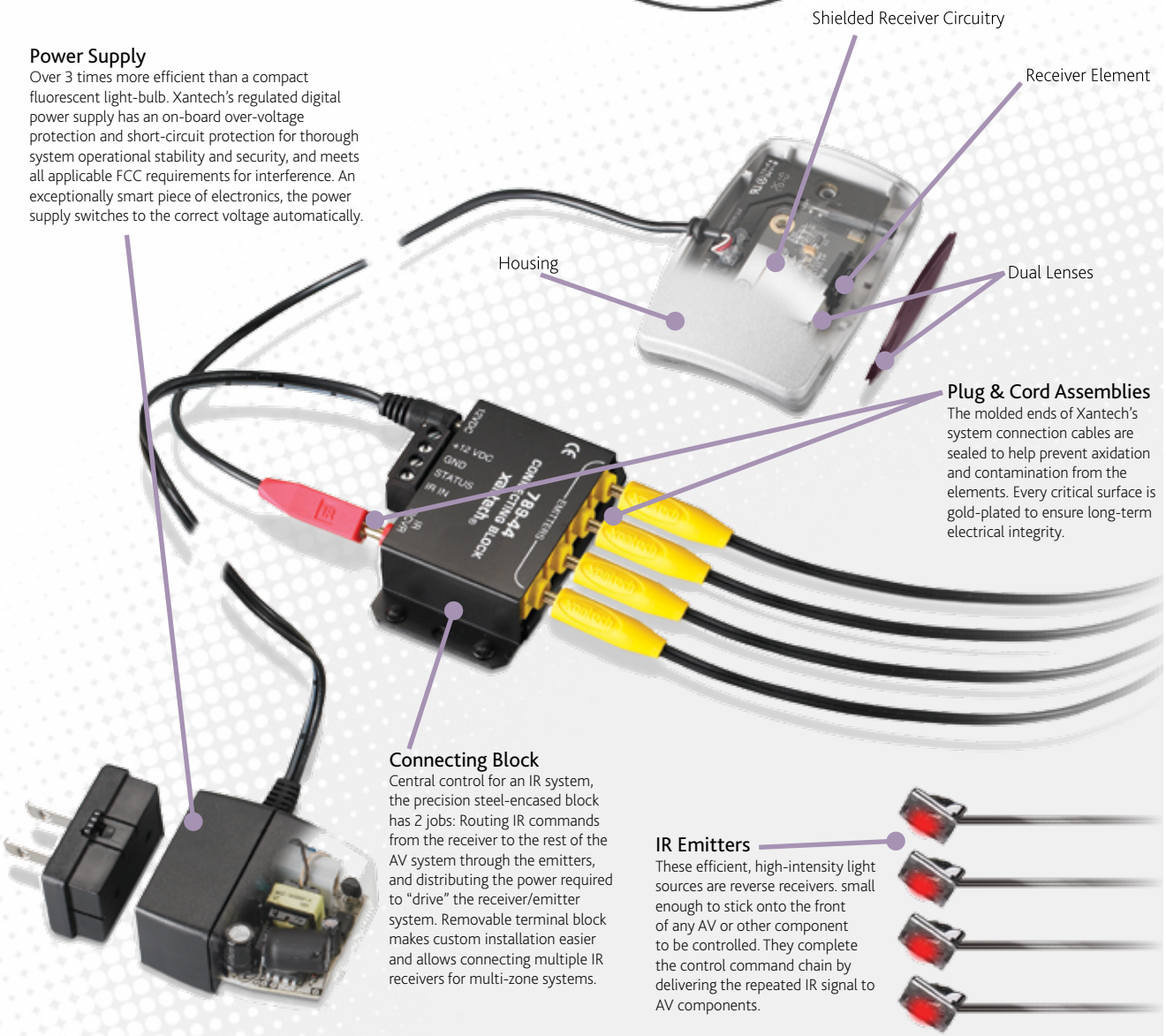


Dinky Link Receiver
Has Xantech's most advanced IR control technology fitted into a remarkably small, easily concealed form-factor.

Shielded Receiver Circuitry

Receiver Element

Power Supply
Over 3 times more efficient than a compact fluorescent light-bulb. Xantech's regulated digital power supply has an on-board over-voltage protection and short-circuit protection for thorough system operational stability and security, and meets all applicable FCC requirements for interference. An exceptionally smart piece of electronics, the power supply switches to the correct voltage automatically.



Plug & Cord Assemblies
The molded ends of Xantech's system connection cables are sealed to help prevent axidation and contamination from the elements. Every critical surface is gold-plated to ensure long-term electrical integrity.

Connecting Block
Central control for an IR system, the precision steel-encased block has 2 jobs: Routing IR commands from the receiver to the rest of the AV system through the emitters, and distributing the power required to "drive" the receiver/emitter system. Removable terminal block makes custom installation easier and allows connecting multiple IR receivers for multi-zone systems.

IR Emitters
These efficient, high-intensity light sources are reverse receivers. small enough to stick onto the front of any AV or other component to be controlled. They complete the control command chain by delivering the repeated IR signal to AV components.

XANTECH IR KITS

DINKY LINK IR KIT

Dinky Link IR Kit - DL85KE / DL95KE

The industry's best-selling design for easy, unobtrusive mounting on any TV set frame or other component. Now the DL-series receivers come with colour-change sleeves to match black, white or silver components— ensuring a very hidden installation.

There are 2 ranges in the IR kits, the 85-series and 95-series. The only difference between the 2 ranges is that the 85-series works up to 80-feet away and the 95-series works up to 120-feet away.

DL95 works up to 120-feet away
Prepackaged kit includes:
1x Dinky Link Receiver (in black)
1x 789-44 Connecting Block
1x 781ERGPS Power Supply
4x 283D Visible Designer Emitters
1x Set Silver and White Colour Sleeves
Dinky-Link surface mount IR receiver
Connecting block connects Dinky-Link to 4 separate emitters
DL85 works up to 80-feet away
IR bandwidth: 20-60 kHz

HIDDEN LINK IR KIT

Hidden Link IR Kit - HL85KE / HL95KE

Perfect for placing on shelves near or even under AV components, or elsewhere in an entertainment centre. Also available in black, white or silver to match AV systems.

There are 2 ranges in the IR kits, the 85-series and 95-series. The only difference between the 2 ranges is that the 85-series works up to 80-feet away and the 95-series works up to 120-feet away.

HL95 works up to 120-feet away
Prepackaged kit includes:
1x Hidden Link
1x 789-44 Connecting Block
1x 781ERGPS Power Supply
4x 283D Visible Designer Emitters
Hidden-Link shelf top IR receiver
Connecting block connects Dinky-Link to 4 separate emitters
HL85 works up to 80-feet away
IR bandwidth: 20-60 kHz

XANTECH IR KITS

MICRO LINK IR KIT

Micro Link IR Kit - ML85KE / ML95KE

Intended for in-wall or in-ceiling installations, and in speakers with a suitable IR knockout feature. ML style comes with brass, white and black bezels for easy concealment.

There are 2 ranges in the IR kits, the 85-series and 95-series. The only difference between the 2 ranges is that the 85-series works up to 80-feet away and the 95-series works up to 120-feet away.

ML95 works up to 120-feet away
Micro-Link In-wall or in-ceiling IR receiver
Prepackaged kit includes:
1x Micro Link
1x 789-44 Connecting Block
1x 781ERGPS Power Supply
4x 283D Visible Designer Emitters
Connecting block connects Dinky-Link to 4 separate emitters
IR bandwidth: 20-60 kHz
ML85 works up to 80-feet away

IR RECEIVERS

Surface Mount - DL85 / DL95

- Attaches discretely to front of TV
- Talkback LED for system tests
- IR bandwidth: 20-60kHz
- Range: DL85 >80ft, DL95 >120ft
- Dimensions: 11mm x 8mm x 64mm
- Includes silver and white sleeves

Shelf Top - HL85 / HL95

- Place on shelf-top or cabinet
- Talkback LED for system tests
- IR bandwidth: 20-60kHz
- Range: HL85 >80ft, HL95 >120ft
- Dimensions 83mm x 26mm x 51mm
- Available in black, white and silver

Peephole style - ML85 / ML95

- Installs in cabinet doors and walls
- Talkback LED for system tests
- IR bandwidth: 20-60kHz
- Range: HL85 >80ft, HL95 >120ft
- Dimensions 18mm (dia.) x 56mm (depth)
- Includes black, white and brass bezels

CONNECTING BLOCKS

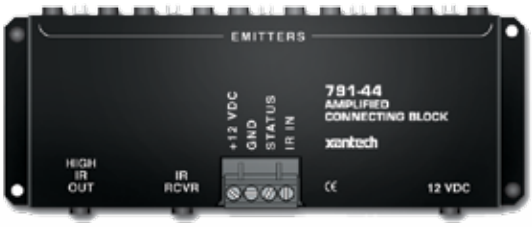
XANTECH CONNECTING BLOCKS

One-zone, Four-source - 78944

- Connects four emitter to all Xantech IR receivers
- Status terminal for connection of receivers that have status LEDs
- 2.1mm coaxial power jack
- Requires PSU (sold separately)
- Dimension : 77mm x 45mm x 21mm

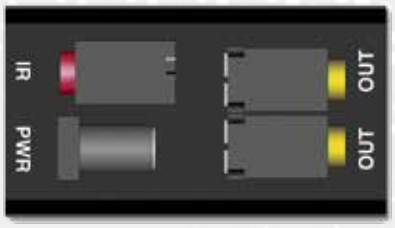
One-zone, Ten-source - 79144

- Parallel emitter ports drive 10 single or dual emitters
- High-speed opto-isolator for improved operation
- Emitter port jumpers permit high or low power IR output
- Contains red LED input signal test-IR
- Requires PSU (sold separately)
- Dimension : 153mm x 58mm x 24mm



One-zone, Two-source - 79520

- Connects two emitters to all Xantech IR receivers
- 2x 3.5mm mono mini jacks to drive single or dual emitters
- 2.1mm coaxial power jack
- Requires PSU (sold separately)
- Dimension : 54mm x 32mm x 19mm



One-zone, Six-source - 79620

- Connects six emitters to all Xantech IR receivers
- 6x 3.5mm mono mini jacks to drive single or dual emitters
- Contains 100 Ohm resistor per emitter port
- Requires PSU (sold separately)

One-zone, One-source - CB12

- Connects an emitter to all Xantech IR receivers
- Includes a 3-terminal block for wired connections of IR receivers
- 2.1mm coaxial power jack
- Requires PSU (sold separately)
- Dimension : 54mm x 32mm x 19mm

Two-zone connecting block - CB20

- One plug-in screw connector for each zone's IR receiver
- 3.5mm momo mini jack for zone and IR emitters
- Can be used with 79144 for emitter expansion
- Requires PSU (sold separately)
- Dimension : 77mm x 45mm x 21mm

IR EMITTERS

IR EMITTERS

High output emitter - 282D

- Non-visible, high-output
- Pre-terminated wire with 3.5mm mono mini plug
- Wire length 10-feet

Dual High output emitter - 284D

- Non-visible, high-output
- Two emitters in series with each other.
- Both emitters terminated in one single 3.5mm mono mini plug
- Wire length - 7-feet to junction and 3-feet to each emitter

Blink-IR visible emitter - 283D

- Visible red blink, low output
- Pre-terminated wire with 3.5mm mono mini plug
- Wire length 10-feet

Dual blink-IR visible emitter - 286D

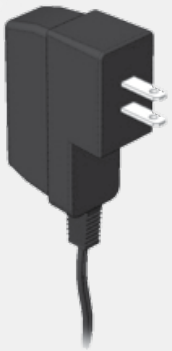
- Visible red blink, low output
- Two emitters in series with each other.
- Both emitters terminated in one single 3.5mm mono mini plug
- Wire length - 7-feet to junction and 3-feet to each emitter

XANTECH POWER SUPPLIES

A high-efficiency power supply specified to provide power to all Xantech IR products. A versatile plug has a locking indentation ring providing a secure connection to all Xantech IR connecting blocks. A small form-factor allows tighter installation and reduces a clumsy rack-installation. Comes with UK, Australian and European Plug Adapters

781ERGPSE

- Input Power: 100-240VAC, 15W
- Output Power: +12VDC, 500mA
- 6-foot cable, 2.1 mm coaxial secure-fit plug



782ERGPSE

- Input Power: 100-240VAC, 0.3A
- Output Power: +12VDC, 1.25A
- 6-foot cable, 2.1 mm coaxial secure-fit plug

INTELLIGENT SYSTEM MANAGEMENT

Intelligent System Management

The ISM4 eliminates the need for multiple remotes, just simply walk up and press the power button on the master component and the system will reset to where it should be.

- 4x sensor inputs & 4x IR ports
- Bi-directional RS232 port for status
- Automatic status control for up to 4 sources
- Comes with a video sensor and power supply
- Can be used with all Xantech sensor modules (see below)

Audio Sensor Module - SMAUD01

Status feedback by monitoring line-level audio connection

LED & Light Sensor Module - SMLIT01

Status feedback by monitoring light illumination

Video Sensor Module - SMVID01

Status feedback by monitoring composite video connection

Contact Closure Sensor Module - SMCC01

Detects dry switch/relay closure

Magnetic Sensor Module - SMMAG01

Status feedback by monitoring AC current, in power cables, CRT monitors and AC electric motors.

AC/DC Voltage Sensor Module - SMVLT01

Detects AC or DC voltage between 9 and 24 volts

LUXUL HOME NETWORKING

ABOUT LUXUL...

Luxul is a leading innovator of high performance WiFi and wired networking products that are powerful, cost-effective, and easy-to-deploy. They are experts in delivering highly reliable solutions for use in the most demanding network deployments—ranging from residential and commercial LANs and WLANs to mobile Wi-Fi connectivity in heavy industrial and military applications.

Xen 3D

Luxul Xen High Performance Access Points are powered by Luxul's patented Xen3D™ Technology. Xen3D increases the output power and enhances data throughput and coverage over traditional WiFi gear, providing for whole home or small office coverage with fewer access points. It also improves connectivity with mobile client devices and eliminates roaming issues associated with traditional WiFi networks.

Xen Connect

The Luxul Xen family is designed for simple out-of-the-box installation and plug-and-play connectivity. When a product is XenConnect enabled, no configuration or setup is required to work seamlessly with other Luxul Xen products.

Xen Smart

Luxul Xen Wireless Access Points, Smart Switches and Routers include intuitive XenSmart web-based management. XenSmart is used to enable advanced features such as QoS, VLANs, Network Security and VPN.

invisionuk TRAINING ACADEMY

Regional training on Luxul products and home networking are available throughout the UK

NETWORKING

WIRELESS ACCESS POINTS

Wireless Access Points

Luxul Xen™ Wireless Access Points represent the most advanced and powerful wireless technology on the market. They combine the benefits of industry standard 802.11n wireless networking with Luxul's exclusive and patented Xen3D™ technology. Xen3D enhances the performance of the overall wireless network by increasing the access point coverage area while also enhancing the receive sensitivity of wireless client devices. This combination ensures a superior Wi-Fi experience that is unmatched by traditional wireless access points.

XAP-1010		**Flush mount Access Point** High Performance Flush Mount 802.11n Wireless Access Point, Directional, PoE injector, IEEE 802.3AF PoE, Multi SSID - includes in-wall back box.
XAP-1020		**On-wall Low Profile Access Directional Point** High Performance Low Profile 802.11n Wireless Access Point, Directional, PoE injector, IEEE 802.3AF PoE, Multi SSID
XAP-1030		**Commercial Grade Omni Access Point** High Performance Commercial Grade 802.11n Wireless Access Point, Omnidirectional, PoE injector, IEEE 802.3AF PoE, Multi SSID
XAP-1032		**Commercial Grade Dual Directional Access Point** High Performance Commercial Grade 802.11n Wireless Access Point, Dual Directional, PoE injector, IEEE 802.3AF PoE, Multi SSID
XAP-1040		**Outdoor Access Point** High Performance Outdoor 802.11n Wireless Access Point, Directional, PoE injector, IEEE 802.3AF PoE, Multi SSID

NETWORKING

SWITCHES AND ROUTERS

Switches

Luxul Xen™ Switch products allow installers to effortlessly deliver a complete end-to-end residential or commercial network—combining both wired and wireless components while minimising costs and complexity. All Switch products are designed to support the most commonly used enterprise features and performance standards without the overheads and costs of unnecessary features—making it a perfect solution for building a robust, powerful and cost-effective network.

GIGABIT SWITCHES		
XGS-1008		**8-port Gigabit Switch -** 8-Port Gigabit Ethernet Desktop Switch. 10/100/1000 MBps, 16gbps internal switching
XGS-1024		**24-port Gigabit Switch -** 24-Port Gigabit Ethernet Rack-mountable Switch, 10/100/1000 MBps, 48gbps internal switching
MANAGED SWITCHES		
XMS-1008P		**8-Port GB POE Smart Switch -** 8-Port Gigabit Ethernet Smart POE Switch. IEE 802.3AF PoE, 2x SFP Ports
XMS-1024		**24-Port GB Smart Switch -** 24-Port Gigabit Ethernet Smart Switch, 10/100/1000 MBps, 2x SFP Ports, 48gbps internal switching

Routers - XBR-2300

The Luxul Enterprise Dual-WAN Router allows you to securely share and optimise your broadband internet connections. It is the primary basic component in designing and setting up the ultimate home or office network. This business class router allows for up to 256 concurrent device routing entries, compared to only 36 entries allowed by most standard routers. It features XenSmart™ advanced management and security capabilities that ensure optimal performance, scalability and security of your network.

INVISION UK TERMS & CONDITIONS

SAME DAY SHIPMENT

For orders placed before 5.30pm, products available from stock are despatched on a next day service to UK mainland destinations. To go that extra mile, we offer a timed option on delivery and we can also drop-ship direct to your client's site if required.

REGIONAL SALES TEAM

Our experienced field-based technical sales team provide local training, assistance with system design, on-site product demonstrations, installation advice and technical support. To obtain contact details for the Regional Sales Manager based in your area, please call 01359 270280.

TRADE PRICES

We only sell to approved professional installers and specialist AV retailers, not to end-users. A trade price list to accompany this guide is available on request.

CUSTOMER SERVICE

Our head office is located in Bury St. Edmunds, Suffolk and we despatch from our state-of-the-art national logistics centre in the West Midlands.

We take pride in fulfilling orders accurately and on time. Simply contact us by telephone, fax or email with the product description, quantity required and delivery address – we do the rest! Our office hours are Monday to Friday 9.00am - 5.30pm

TRAINING

Our fully equipped demonstration and training centre in Bury St. Edmunds provides the perfect location for product training and seminars. Courses are available to ensure that you are confident in selling and installing our products. We also arrange regional training events throughout the UK.

TECHNICAL SUPPORT

In addition to the supply of products, we provide in-depth product knowledge, installation advice, system design and technical support to our trade customers. Our reputation is built on a relentless commitment to pre and post sale support.

PAYMENT

We are able to offer a credit account to most trade customers. Simply contact our sales team for a Credit Account Application form at www.invisionuk.com or contact the Sales Team on 01359 270280.

CEDIA

Invision UK is a member of the Custom Electronic and Design Installation Association (CEDIA).

Power Conditioning

Networking

HD Distribution

Lighting Control

Audio

Control Solutions

Entertainment Servers

Home Cinema

Cabling & Interconnects

Multi-Room Audio

Speakers

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www.invisionuk.com | www.invisionexpress.com

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